

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 December 2005 (15.12.2005)

PCT

(10) International Publication Number
WO 2005/119627 A3

(51) International Patent Classification⁷: **B01D 57/00**

(21) International Application Number:
PCT/IL2005/000576

(22) International Filing Date: 1 June 2005 (01.06.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/575,371 1 June 2004 (01.06.2004) US
60/583,601 30 June 2004 (30.06.2004) US
60/638,416 27 December 2004 (27.12.2004) US
60/649,081 3 February 2005 (03.02.2005) US

(71) Applicant (for all designated States except US): CENTRI-
TION LTD.; c/o Quijano & Associates (BVI) Limited,
P.O. Box 3159, Road Town, Tortola (VG).

(72) Inventor; and

(75) Inventor/Applicant (for US only): GORDON, Roni
[IL/IL]; Moshav NetaIm, 76870 Doar Na Emek-Soreq
(IL).

(74) Agent: G. E. EHRlich (1995) LTD.; 11 Menachem Be-
gin Street, 52 521 Ramat Gan (IL).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ,
OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL,
SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GII,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

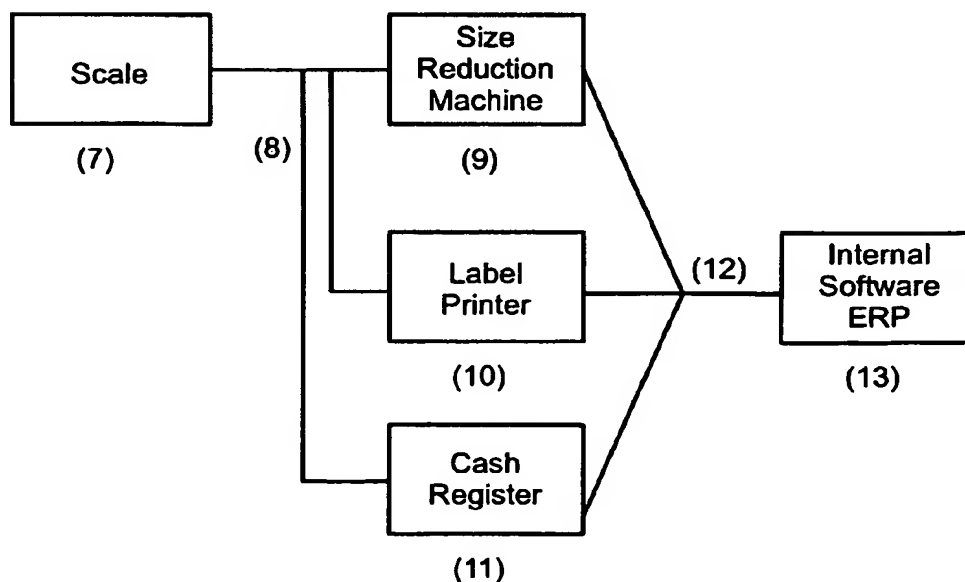
— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:

4 May 2006

[Continued on next page]

(54) Title: PERSONAL NUTRITION CONTROL DEVICES



(57) Abstract: The present invention provides portioning and weighing devices, as well as other compositions, that make it much easier for individuals to monitor and control their caloric intake.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

Intern. application No.

PCT/IL05/00576

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B01D 57/00

US CL : 434/127

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 434/127;222/14,80

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4,782,790 A (BATSON) 08 November 1998, (08.11.1988), full text	1-25
Y	US 2002/0124017 A1 (MAULT) 05 September 2002 (05.09.2002), full text	1-25
X,E	US 6,978,221 B1 (RUDY) 20 December 2005 (20.12.2005) full text	1-25
A,E	US 2005/0184148 A1 (PERLMAN) 25 August 2005 (25.08.2005), full text	
X,E	US 2005/0011367 A1 (CROW) 20 January 2005 (20.01.2005) full text	1-25
A	GB 2 308 586 A (MUSSAWIR-KEY) 02 July 1997 (02.07.1997), full text	1-25

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

06 February 2006 (06.02.2006)

Date of mailing of the international search report

07 MAR 2006

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (571) 273-3201

Authorized officer

Kathleen Mosser

Telephone No. (571) 272-3700

INTERNATIONAL SEARCH REPORT

International Search Report No. — — —

PCT/IL05/00576

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:
Please See Continuation Sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-25

- Remark on Protest
- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
 - ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
 - ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL05/00517

BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-25, drawn to a device for portioning food.

Group II, claim(s) 26-32, drawn to a register that provides price and caloric content of food.

Group III, claim(s) 33-47, drawn to a display that provides the approx number of calories for a food product.

Group IV, claim(s) 48-55, drawn to a method of reporting nutritional content.

Group V, claim(s) 56-64, drawn to a food product and its packing.

The inventions listed as Groups I-V do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: The invention of Group I is drawn to a device which portions food based upon caloric intake this function is not present in any of the other groups. The invention of group II is a register, which displays the price of food and its associated caloric value. This feature is not required or incorporated into the other groups. The invention of Group III is a display for indicating how many calories a serving of food and a complete amount of the food contain, this feature is not present in the other inventions. The invention of Group IV is a method for reporting the nutritional content of food; the particulars of the method are not required by any of the other inventions. The invention of Group V is a food product and label. Although usable with the other inventions, the particulars of the invention are not required for proper operation of the other inventions.

Continuation of B. FIELDS SEARCHED Item 3:

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL05/005120 -

USPAT,USPGPUB,JPO,Derwent: food portions, calories, computer, measure portion, food, diet nutrition, dispense portion, drink, edible, weight